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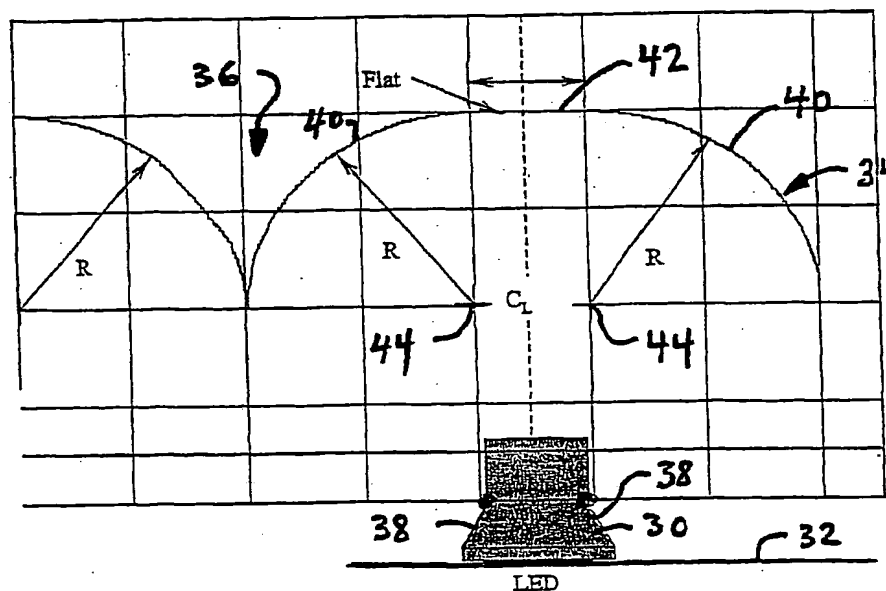
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(54) Title: COLLECTION OPTICS FOR LED ARRAY WITH OFFSET HEMISPHERICAL OR FACETED SURFACES



(57) Abstract: An array of LEDs (30) is provided having a lens array (34) for collecting divergent light from each LED (30). Each lens (34) in the array is associated with a respective LED (30) and has a compound shape including a curved surface (40) that may be spherical or may have an offset aspherical shape. The curved surfaces (40) are centered about each side of its associated LED (30). The lens (34) may alternatively include faceted surfaces (46) that approximate the curved lens surface.

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